

IN THE ABSTRACT:

Please substitute the following Abstract for the Abstract starting at page 29, line 2 and ending at line 12.

~~According to this invention, there is provided a manipulator which prevents the distal end portion of a manipulating member from moving even if its posture is changed, and a minute object manipulating apparatus using the manipulator. The~~ A manipulator of the invention includes, for example, a manipulating target object manipulating member which is driven and controlled by a plurality of free rotation axes. All of the free rotation axes cross at one point, and ~~the~~ a manipulation distal end portion of the manipulating member is placed near the intersection.